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See Advertisement on last page.



"Where's CROAKER?" some people are crying, Is his Poetry Mill broken to smash? For want of a theme is he dying? Has his powder refused to flash?

Oh, no ! but then I've been soaring ! I couldn't have gone farther by steam I wakened the witches by snoring, And went to the moon in a dream !

One day, when I'd finished my croaking, I took up a lovely cigar;
And while I was puffing and smoking, I heard a most horrible jar.

I neered through the cloud that was floating In figures fantastic around me; And oh! the big crowd that was shouting And yelling, like imps, that they'd found

> And oh, such a clatter! "Well, what was the matter?"

Why, forty old parsons were preiching-And fifty old maids were beseeching-And two hundred school-girls were screeching Like owls, from under their boanets! And all of the parsons were wheezing-And all the old maidens were sneezing-And the girls were all squealing and teazing About some horrible "Sonnets."

And then with their needles the "Sewing" folks led

And stuck them all into my legs; And bustles by dozens were thrown at my head. Just the same as you'd throw rotten eggs!

Like witches, they came in by millions In my dream, I couldn't tell how-And the devil was dancing cotillions In the midst of the rumpus and row! Such a calling, and squalling, and bawling! Like maidens when getting the mitten And I shook all my bones with my terrible

As I thought of what I had written

And the needles and pins !-- oh, never my sins Had pricked me so badly before-And they jammed on the bustles over my mus

Till you couldn't have heard me snore

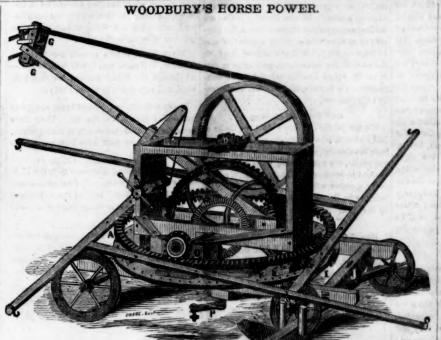
Oh, the pinches and streaks !- it took me two weeks,

Before I got over them straight-And now I've been trying, while squirming and sighing,
To tell you in rhymes of the horrible times

That have kept me so quiet of late.

Too large Limits.

"Why don't you limit yourself?" said a intemperate person: "set down a stake that you will go so far and no farther." "I do," replied the other, "but I set it so far off, that I always get drunk before



lent machine, but have not, until now, had an opportunity of presenting a description with engraving. It is shown by a variety of certificates,-ove of which is inserted below,-which the patentee, Mr. Daniel Woodbury of Perkinsville, Vt. has received, that the machine gives complete satisfaction to all who have witnessed its operation.

EXPLANATION .- A. main or aween wheel, ut 6 feet in diameter, cast in three parts, and bought with wrought iron. B B, two pinions on an inclined shaft, one above, the other below the main wheel. C, spur gear, on the same shaft with pinions B B. D, small gear, on the same shaft with band wheel E .-F, arm supporting the pullies G G, serving to guide the band above the horses; also, to tighten it by the windlass H. L, O and M, are trucks holding main wheel in place. K, circular base of machine, resting on the carriage frame, and is held in different positions by two clevies, one of which is shown at I. N. anchors, one fastened to each axletree, by bolt and key, on which the weight of the machine in part rests, showing the manner of fastening to the grou P, crank, on a perpendicular shaft, worked by beveled gear attached to the arms of spurgear C, showing the manner of attaching a cross cut saw, for cutting logs. The cut repre-

We have heretofore alluded to this excel- sents the machine stripped of its covering, showing its interior parts.

CERTIFICATE.

SYRACUSE, November, 17, 1846. We the undersigned, residents of the village of Syracuse and vicinity, in the county of Quondaga, and state of New York, do certify that we have seen in operation Woodbury's Improwe have seen in operation woodcoury's improved Horse Power, when used for sawing wood, we believing it to be in every respect superior to any other horse power we have seen, do cheerfully recommend it as an article that cannot fail to give the most perfect satisfaction. It is subject to far less friction; the cogs are much more durable, the wear being perceptible; a much longer band may be used than other horse powers will admit of, giving the operator greater choice of ground, and be ing permanently mounted on wheels, and operating in any direction, without unfastening from the ground; and being supplied with an arrangement admitting the horses to stop while the cylinder to thresher or saw is allowed to run, rendering it in our opinion perfectly adapted to the wants of the public.

A. G. WILLIAMS, Auburn and Syracuse R. R. PHILIP COLWELL, Farmer's Exchange, Joel G. Northup, Machinist. Squire J. Green, Pattern Maker.

Novel Speculation.

An enterprising Yankee at Canton has re-cently built a Chinese junk of about 300 tons, fitted and rigged entirely after the Chinese mode, which he intends taking to New York, loaded with every species of China knicknacs, curiosities, &c., to be sold on board after arrival off that city. He takes also a Chinese crew, a theatrical and juggling company, males and females, and every thing curious, illustrative of the manners and customs of the Celes-The junk will have canvass sails and a Christian rudder to make her suitable for the long voyage, but upon arrival at the Narrows, every thing foreign will be replaced by Chinese articles, mat sails, clumsy rudder and all, and the junk anchor off the city in her entire oriental costume and build, where she will remain as a show shop, sale room and n bank exhibition. It is expected she will make the passage in five months. The cost of the whole affair will be about \$30,000, and the "cute" proprietor will undoubtedly realise a large fortune. After having exhausted the U States he has been offered \$20,000 to deliver his junk in England. The junks are said to be

good sea boats and nothing worse than delay is feared in the voyage.

Some philosopher has remarked, that every mimal, when dressed in human apparel, resembles mankind very strikingly in features. Put a frock, bonnet and spectacles on a pig, and it looks like an old woman of eighty. bull dressed in an overcoat would resemble a lawyer Tie a few ribbons round a cat, put a fan in its paw, and a boarding school miss is represented. A cockerel in uniform is a general to the life. A hedgehog looks like a mi-Dress a monkey in a frock coat, cut off his tail, trim his whiskers, and you have a city dandy. Donkeys resemble a good many

It appears that men cling to life in propor tion to the slight tenor by which they hold it, and prepare for a long residence on earth, in proportion as the period of human life grows

Any gemman whose dog is named Pompey, ought not to expect to associate with the gemman whose dog is named Napoleon.

Mutual Consolution.

A poor married woman was sell wrong side of fifty, of some in-mestic troubles, which she in great part attributed to the irregularitaes of her husband. "Well," said and old maid, " you have broughtthe troubles on yourself. I told you not to marry him. I was sure a would not make you a good form band." "He is not a good see, to be sure, madam," replied the woman, " but he is a great better than none at all."

Safety.

A sailor passing through a day in a stormy dey, was capeized by a slate blown from a roof by wind, which struck him on the side of the head; whereupon the sturdy tar declared that the shore would do tolerable well in pla ant weather, but in a severe gale of wind, there was no place for safety like a staunch ship, found, at a distance from the chare lying to under a close rected mais

A journeyman printer lately set out on fact r the interior of Ohio, a distance of five humdred miles with a brass rule and three dellars in his pocket. He soonfound himself in Penssylvania, and being weary, called at the same a Dutchman, whom he found quietly smooth Well, Med Valking Stick, vol you van ?

"Refreshmente and repose."

"Supper and lodgings, I reckon."

'Yes sir, supper and lodgings.'
'Pe you a Yankee pedlar, 'mit jewelry an ack to sheat te gals?"

No sir; no Yankee pedler.

'A singing teacher, to lazy to vork?"

A cheenteel shoemaker, vot stchay till Seurday night, and lays drunk in the porch 'No sir! or I should have mended my book before this. But I am not disposed longer to

submit to this outlandish inquisition, you give me a supper and lodgings ? Trikely. Vot pe you? A book achest

king honest people's money for a little larger that only makes 'em lazy ?'

'Try again, your worship.'
'A dentist, breaking te people's chaws, dollar a schrag, and running off mit old Shambock's daughter ?"

'No sir; no tooth puller.'

'Kernolojus, den, feeling de young false, heds, like so many cabbitch, and charging twenty five cent for tellin' their fortunes. a blam'd Yankee?

'No-no phrenologist neither.'

'Vel, den, vot te tifle are you !- Choost tell and you shall have some of te best sausages for supper, and stchay all night, free gratis miss charging you von cent, mit a chill of whitey to start on before breakfast.'

To terminate de Very well, your honor. colloquy without further circumlocution, I am an humble disciple of Faust—a professor of the art preservative of all arts-a typographer, your service.

'A printer, sir; a man that prints books and newspapers.

'A man vot prints noospapers! O! was: yaw! By Choopiter-ay! ay! datch itsnan vot prints noospapers, yaw! Chems, take the gentleman's pack off. Chon, bring com junks to the fire. A man vot prints noospa-papers! I wish I may pe shot if I didnot think you ves a tailor.



short time ago the Chief Justice of Gib raltar had some workmen employed at his house; and while one of them was digging near the dining room window, he perceived an opening, which he found was very deep. He with some others and the Chief Justice himself, ventured down the aperture, and after de-scending about forty feet almost perpendicular, came to a very narrow passage, which led to a most beautiful cave, stalactites hanging about as white as snow, and of various form me like cauliflowers. In the midst of all this was a human skeleton, sticking fast to the rock, and the bones of a dog beside it, having become petrified. The bones of the right hand were fastened to the right side of the head, so that the poor creature has the ap-pearance of having lain down and died, very robably of starvation, with his hand under his head, which is half turned round, as if he had been looking up. The bones of the dog lay beside the human bones.

#### Imported Misery

The packet ship New World recently arrived from Liverpool, with 300 steerage passengers, many of whom were ragged and half nahed children, who were landed over the snow covered wharf, barefooted and bare headed. without home or shelter; and the very first vords used by one of them on our shores was to beg from a couple of gentlemen who witnessed the chilling scene, money to buy his first meal of victuals and his first night's lodg-Who can blame the forlorn adventurers Misery and wretchedness are rapidly increasing in the world, and as in the days of Noah, the inhabitants sought the dry land of the ountains, so they now naturally seek our shores as the only s anny land on the globe. We must not repel them

## Power of Poetry.

A meeting of the stockholders of the Portland and Portsmouth Railroad Company was recently called, to decide on the question of selling their railroad to the Eastern Railrod Company. A report in which a variety of sta-tistical intelligence, and powerful arguments, all adverse to the sale of the road, was read by Mr. Stephen A. Chase of Salem. This report, in addition to the statistics and arguments, embraced a few well written stanzas of poetry, in favor of the sale. The consequence was that the poetry exerted such a controlling influence that the company sanctioned the measure by acclamation, and the sale was accordingly effected.

## The Alleghanians.

The Concert given at the Tabernacle on Wedmesday evening by this unrivalled band of melos and sentimental singers, was highly graitfying to the extensive audience, as evinced by the many rounds of applause. We are glad see a disposition to patronize this kind of entertainment, which evinces a more refined taste than that of theatrical performances.

# Thrilling Incident.

Two little girls in Springfield Mass. last week were playing together, when one of them fell into a well 30 feet deep. When the father came, she was standing with her chin just out of water. The child was got out unharm

#### More Gold.

Another rich gold mine has been discovered on the lands of Mr. Merril, in the vicinity of Asheborough, N. C. The ore will yield by rough process, \$50 per bushel.

## Abolition of Slavery in Delaware

The select committe of the Delaware Legislature, to which was referred the petitions of a number of citizens, praying the abolition of slavery in that State, have reported a bill in accordance with the views of the petitioners.

#### Albany Ale Improved.

We learn from an Albany paper that all the dogs in that city, unless confined or muzzled re to be thrown into the basin.

We can congratulate American inventors mechanical and other improvements, on the prospect of an institution, well calculated to aid in the perfecting, construction and introduction of their productions. We shall explain the principles of the Institute in our next numer, with extracts from the circular, &c.

## Enterprise at Albany

We learn that the citizens of Albany are making large preparations for business for the Messrs. Corning & Co., are ensuing seas making arrangements to build one of the largest and most extensive steam engine factorie in the country, below the Greenbush ferry, on the bank of the river. Several large manufacturing establishments are also in contem-plation. Carpenters, masons, &c. are already in requisition.

## Odd Fellows Moving.

We are gratified to learn that the Order of Odd Fellows, whose charities and benevolence have been so frequently the theme of newspa per praise, are now moving with comm zeal in sending relief to Ireland. We hope every member will contribute all he is worth. eing as he is, protected against personal wan by the fraternity.

Southern Plants. Hon. Henry A. Wise, U. S. Minister at Rio Janerio, has written to the Patent Office a valuable letter, published in the Union, on topics of much agricultural interest. He recomme the transplanting of many Brazillian plants, and says that great service can be rendered to the agriculture of our own country by attenions to the productions of Brazil.

#### Got them Mixed.

A Norwich paper relates that two ladies at ne of the Hotels, each presented her husband with a fine boy, at about the same time; and that in the hurry of the occasion the nurses placed both babies in the same cradle, and were afterwards unable to tell " which from

# Speed of a Whale.

A modern writer calculates that the velocity with which a whale moves through a der medium of water would carry him, if continued, round the world in a fortnight. A modern locomotive would quickly run him down at that.

# A Suspicious Compliment.

A poet asked a gentleman what he thou of his last production, "An ode to Sleep;" to which the latter replied, Indeed Sir you have succeeded so well that it is impossible to read the work without feeling the full weight; of the subject.

#### An Unfortunate Dutchman

or Hans! he bit himself mit a rattle snake, and vash sick into his ped for six weeks, in te month of August, Und he could'nt speak till he complained of being a little petter so ash he could stand up on his elbow

## aper Making at New Orleans.

The New Orleans Bulletin is now printed on paper manufactured in that city by the publish ers of that paper. This is the first instance, probably in which the manufacture of paper has been attempted so far South.

#### Dark Night.

The night was so dark on the Ohio on the 15th, that the steamboats had to hail persons on the shore to know where they were, and one of the packets, the Swittsure, ran into a tree and lost both her chimnies.

#### A Pair of Valentines.

In this city the lady of an officer named alentine, on Valentine's day presented her husband with twin boys. A pretty fair com

## Our Journeymen Law\_makers.

A cotemporary remarks that a strange inde-sion guides the national legislature, except in this, that every project is linked with scheme of President-making.

#### Mine of Calamine.

An extensive mine of this valuable ore has been discovered about three miles from Bethle. hem, Pa. The ore is remarkably free from any admixture of earthy substance, yielding above eventy per cent of pure zinc.

It is a frequent custom with the New Zealand females to pet young pigs in the same manner that European ladies fondle lap dogs The Zealanders evince the most correct tast

The Secretary of the Treasury has advertis ed proposals for a loan of \$18,000,000, in sum of fifty dollars and upward. Bids will be made until the 10th of April.

A vein of silver has been discovered in Duoois Co. Indiana, and a company has been formed, who are now erecting a furnace for the purpose of working the mine.

There is said to be a woman now living in Moscow, in Russia, who is 168 years of age — At the age of 122 she married her fifth husand, and says she is in the market yet.

Green cucumbers appeared in the vegetable markets of Mobile on the 8th. They have been sheltered at times during their growth, but for the most part have been exposed to

About one thousand desertions from the U. S. Army have occurred since the commencement of the Mexican War. Most of these have been in consequence of the stingy rations allowed to privates by law.

It is said that there are on the government pension list (not including navy pensioners) 27,600 names, of whom 6,165 are in the State of New York.

A man by the name of Resolved Soule, sells cider and beer at Fall River, Mass. He had better resolve to save his soul by quitting the

An overseer in Arkansas, while flogging a oung slave, recently, without the precaution of tying him, was killed by the slave with a pocket knife.

There are said to be as many slaves in Brazil as in the United States-three millions .-But little is said or known of the domestic policy of that country.

It is recorded of Washington, by the Foreign Spectator, that he remembered and paid debt of one cent for crossing a ferry .-Modern political patriots are not so p

Crosses of the French Legion of Honor ce so highly prized, have lately been sel ling in the streets of Madrid at the rate of three for a penny.

A beautiful variegated red and green slate is found in Vermont and is being wrought into elegant articles of furniture. It is susceptible of a fine polish.

One vessel in Boston harbor has twenty tons of powder on board of her. Another king on board 170,000 pounds of powder destined for use in the war

A petition has been presented to the court at New Orleans, to set aside a will, on the ground that the person who wrote it was blind at the time.

Another long train of loaded cars, numbering 122, lately passed over the Western Railroad to Boston. It measured about three quarters of a mile.

There are in Pittsburg, Pa., at present, nine Fifty years ago the place daily newspapers. was a wilderness.

The Washington Union says that 5000 postnasters have recently resigned for want of compensation.

Jerrold says that old bachelors are like dry wood; when they do take flame they burn prodigiously.

Yams, a large kind of sweet potatoes, have een cultivated with success in Kentucky .-Pass them along to the north.

During the recent collection of contributions for Ireland, \$1000 was sent in by a lady, without any trace by which the generous donor could be identified.

A man escaped from a Philadelphia Constable, the other day, by leaping over a railing into the Cohocksink Creek, descending about twenty feet, and sinking to his waist in mud. Jack Catch could'nt follow.



#### LATE NEWS.

The steamship Cambria arrived at Bo Saturday last, and the principal items of news were published here on th having been communicated by Telegraph. The Cambria brought 100 passengers, and \$2,000,000 in gold. The proceeds from freight passengers and mails are estimated at \$60,000. The commercial intelligence we shall omit. The foreign papers are much occupied with accounts of appalling distress and destitution. It is stated that there are 350,000 families over and above the ordinary farmers and laborers now destitute in Ireland. In Liverpool, it is stated that no less than 100,000 destitute Irish people have received out-door relief.

The packet ship Prince Albert is on her me with \$400,000 in specie, and insuway ho rance has been effected for large sums to come by the next steamer.

Among the passengers by the Cambria, was the renowned General Tom Thumb, accompa-nied by his parents, &c. There was a wonderful commotion in Liverpool on the occasion of his embarkation. The little General was escorted to the steamer by a large procession of citizens in carriages, on horseback, &c., preceded by a coach and six, containing the General and suite, next to which was band of music in an elegant car drawn by six horses, furnished by Mr. White, proprietor of the Amphitheatre, Liverpool. As the General'went on board the steamer, the thousands who had joined in the procession gave him three hearty cheers. The English papers assert that he has received many value ents from the principal sovereigns of Europe: as kissed more than a million and a half of ladies: has exhibited before 3,000,000 of persons, and the gross receipts of his exhibitions exceed £150,000, which reckoning 56 sovereigns to the pound avordupoise, would make 3678 pounds weight of gold, and, as the General weighs but 15 pounds, it follows that he has received just 178 times his own weight in

From the Army.
The Albany Evening Journal has information, derived from a gentleman direct from Brazos, who is well informed, that Gen. Scott is making active and effective arrangements for an assault upon Vera Cruz. The place is to be invested simultaneously by sea an d by land. A flotilla is in readiness to convey the army to a point within fifteen miles of the Castle. demonstration is to be made by the 5th, or at the latest, by the 10th of March.

A rumor is in circulation that the whole Mexican Cabinet had resigned, Congress was on the eve of dissolution, the country was in coufusion, another revolution was contemplated, and Santa Anna had suddenly disappeared from San Luis, proceeding to Tampico or the Capital.

The new city of Lawrence, Mass. appears to be very centrally located; being just 23 miles from Boston, Salem, and Newburyport, Mass., and Manchester, N. H.

The ice business is going on at a brisk rate in Massachusetts. At Waldron pond, there is a stack of ice blocks as large as a modern church, ready for the cars.

Henry Clay is nominated for the Presidency by the "Clinton County (Ohio) Whig," and Gen. Taylor's name for the same office floats at the head of the Hagerstown (Maryland) "Torchlight."

A storm lately occurred at Carroll County Md., which prostrated all the trees and fences in its course, and destroyed many dwellings.

Coleman the dramatist, was asked if he knew Theodore Hook? "Yes," replied the wit, "Hook and Eye are old associates."

It is proposed to construct a railway from Pensacola to Montgomery, Ala., at a cost of \$2,000,000

Eight vessels have been loading at Norfolk, with a hundred and sixty thousand bushels of orn for Europe.

#### ORIGINAL PORTRY.

of lively sen (The two following effusions ents, are from the pen of Miss Elizabeth M. Roberts, Marbletown, N. Y.) Farewell to the Birds.

Farewell little songsters, your bosoms are light,

Your journey is long, but your prospects are bright :

winds of heaven your chariot shall The swift prove. And bear you safe home to the land that you

love. And when these green mountains are covered

with snow And when these clear fountains no longer

shall flow Your path shall be sunny,-your sky shall be

So onward, sweet birds, for your home is no

Where the Amazon's waves shall new splen dor unfold,

Where the Andes are sparkling with diamonds

and gold, Where the sun in eternal bright summer shall

play, And the soft winds shall rustle the silv'ry spray, Where the lion and leopard shall seek to re

In the shade of the orange tree's fruit-bending

Where the vulture's shrill cry through the re gions are rung,

And the wild tiger bounds to her delicate young. Such is your home and your prospects a Oh why should you linger, oh why should you stay;

Your path shall be sunny,-your sky shall be clear-

So onward, sweet birds, for your home is not here.

#### The Grave of a Drunkard Although the fields are green,

Although the sky is clear, Yet memory's sad revolving scene, Lies buried here. A grave alas-alone, A grave yet heeded not, A single mossy mountain stone, To mark the spot. In this secluded shade, Where soft winds never cease A drunkard's form was lately laid,

To rest in peace.

I saw him borne away, To that low, lonely cell, And in my heart could only say, Fare thee well. Few suns have rose and set, Few nights have closed the day, When in life's busy march I met Him on his way. With tottering step and slow, He wandered o'er the plain,

I little though that death, Was then so very near; And in a few short days that he Would slumber here

That path again.

I little thought he'd never go

Alas! how unprepared, That thoughtless soul must be, When hurl'd from life into a vast

Eternity. With horror, rage and strife, He has resigned his breath, Unhappy in this worldly life, And so in death.

But mortals could not save, The poor expiring one,

And weeping nature could but say,

Thy will be done. Marbletown, N. Y., Feb. 1847.

# Extravagant Vanity.

It is stated that during Victoria's visit to Arundale Castle, (21 days,) the Dutches of Sutherland, one of the maids of honor, put on no less than seventy new dresses! that she regularly changed her costume four times a day, and that she paid one of her female attendants five hundred dollars a year, who was called her combination maid, and who is solely occupied in harmonizing or combining her various articles of dress, so as to produce a new and happy effect.

Meteorology.
The following communication from our repected correspondent, E. Meriam, Esq. goes to show the manner in which distant disturb nces are indicated by the apparatus used by him, and which have been described in a former number.

#### Earthquake in Scotland.

A smart shock of an earthquake has been experienced over a pretty extensive district in the centre of Scotland. About midnight on the centre of Scotland. Tuesday, Nov 24th, Crieff, Cupar, Perth, Dundee, Fife and Dollar, had all felt the shock, which appears to have occurred almost simultaneous throughout the extensive tract of ountry which comprehends these towns .-Scotchman.

DOLLAR.-Shortly after 12 o'clock this morning, (Wednesday,) we experienced a smart shock of an earthquake, the first that has been felt in this neighborhood since the 23d of Oct. 1839. It awoke many sleepers from their slumbers, and seemed, as far as we could judge, to vibrate from west to east. By perecumbent in upper apartments, the motion of the houses was distinctly and somewhat alarmingly felt. The night was damp, dark and cloudy, with scarcely a breeze stirring, and of a very mild temperature ; exactly such as the night of the 23d Oct., 1839 .-The Barometer had risen during the day to about 29 44, but this morning it has again sunk a little. Altogether the character of the weather, this autumn, has resembled that of 1839 very much. A great quantity of rain, (about 27 inches since July); the sky for the last month charged with close, dense, dark clouds, the atmosphere soft, mild, hazy and dripping, with an irregular barometer, taking sudden and extreme movements. It is to be remarked, that these earthquakes happen generally in October and November, during the night, when there is little or no wind, with soft rain falling, the earth's surface being heavily charged with moisture .- Scotchman.

Violent shock of an Earthquake -On the night of the 24th of November, a few minutes before 12 o'clock, a shock of earthquake was felt here of greater intensity and longer dura-tion than any remembered. The state of the atmosphere at the time was calm and beautifully clear. Early on the previous morning, a very heavy rain had fallen, which had cleared and softened the temperature, and the following day was unseasonably fine and mild, the thermometer standing about 52 degrees. At 9 o'clock in the evening, it had fallen to 42 degrees, the barometer indicating 29 50 inch The greatest cold during the night was 36 degrees, the barometer inclined to rise, standing next morning at 29 51 inches

The reeling of individuals during the shock, depended greatly on their situation. It is most generally described as being rather tremudous than undulating, and in high tenen heavy articles of furniture were violently shaken, bells were rung and crockery ware overturned. Every family was alarmed, and many rushed out to the streets, under the impression that their houses were falling.

Such as were walking at the time, descri-bed the ground as shaking under their feet, much like the tremulous motion in steam-boats. The duration of the shock, from all acounts, must have been from 15 to 20 seconds, although the fears of many naturally led them to think it longer.

It extends as far north, as our accounts ves terday reached, and along the line of Grampians it seems to have been particularly severe. Our correspondent at Crieff writes last night, thus:

At 12 o'clock, perhaps two minutes after it low rumbling, resembling thunder, but one which a practiced ear could at once detect as the herald of an earthquake, was heard. For five or six seconds it approached nearer and nearer, and roared louder and louder; then came a heavy under ground shock or two, then a sensible upheaving and downfalling, accom-panied by a violent shaking of every thing on the surface, and the thunder-like noise continuing for six or eight seconds, died away in the distance. This may not have been the heaviest shock of earthquake that has occurred in Crieff for the last 50 years, but it certainly was a very smart one, and caused many a timid heart to quake. The air before and at the time of the shock was calm and still, but a short time thereafter a fresh breeze sprang up.-Perthshire Courier

Recorded Observations made by E. Meriam upon Brooklyn Heights, and published in the Brooklyn Daily Evening Star.

From the Star of November 24th The highest temperature yesterday, was 52, from 11 to 12. The temperature at 6 P. M.,

was 48. at which it had continued till 6 this E.M. The highest temperature, on Tuesday, was 55 1-2, at 2 P. M.; at 5 in the evening, 50°;

at 8 and 9, 49°; at 10 and 11, 50°; and Wednesday morning at 6, 7 and 8, 49°, with a rain storm following the equilibrium of Tuesday E. M. The highest temperature indicated by the

meteoric wires on Wednesday, was from 11 to 12, 52 deg., on Thursday 47 deg., at both ends of the day; on Friday, 49 1-2, from 12 M. to 5 P. M.; on Wednesday evening at 7, 47; at 8,44, and at 9, 46; on Friday morning at 6, 46; on Friday evening at 5, 50; at 7, 52; at

The ordinary thermometer indicated as follows:

Wednesday morning, Nov. 27, at 9, 39; 3 P. M. 39; 9, 29; Thursday morning at 6, 26; at 9, 28; at 12 M. and 3 P. M. 32; at 4, 29 1-2; from 4 to 6, 22; at 7, 27; from 8 to 9, 26 1-2; on Friday morning, at 6, 24 1-2; at 1 P. M. 32; at 2, 31; at 3, 30; from 4 to 8, 31 1-2; at 9, 32 1-2; Saturday morning at 6, 36; at 7 and

Snow fell at half past 6 on Wednesday even-Snow clouds were in the west on i morning, before sunrise, and overhead at 2 in

Another disturbance in the atmosphere is indicated by equilibriums and rise of temperature in the night time.

## (To be continued.)

#### Evaporating in Vacuo.

Mr. Editor-There appears to be a very pre-valent opinion in regard to evaporating liquids, especially under a vacuum, which very erroneous, and ought to be corrected .-Most people suppose that the lower the tem perature at which a liquid is made to boil, the less fuel it takes to evaporate it, but such is not the case. There is no fuel saved in evaporating in vaces. I will not deny however, that there is an advantage in evaporating many liquids in vacuo, such for instance, as the syrup of sugar, and many vegetable infusions which are intended for medicines, because the ardinary heat of such liquids when boiling at atatmospheric pressure, would have a tendency to discolor the fumes, and dissipate much the active principle of the latter, thereby inquality. But what I that in point of economy in fuel and time, there is nothing saved. Suppose for instance we take two boilers or evaporating pans of exactly the same dimensions, and containing precisely the same quantity of water, to one attach a condenser, the other we leave open to the atmosphere; we will suppose the one having the condenser attached, boils at 100° Fahr'. the other of course must be heated to 212° Fahr'. we shall find after having co same weight of fuel under each, that the water remaining in each is the same in quantity. It is true that much the largest volume of vapor has escaped from the one under the vacuum, but the vapor was much more expanded and rare, and only at a temperature of 100°, and having an elastic force of 1,56 inche mercury; and 100 cubic inches will weigh 1. 1173 grains, while 100 cubic inches of vapor at 212° will weigh 14.9629 grains, equal 1339 cubic inches of the former, while the sums of the latent and sensible heat are the same in both cases for equal weights of vapor, so that although 13,39 volumes of vapor have passed from one boiler, while one volume on-ly has passed from the other, still, both have been produced at the same expense of fuel, and the same diminutive of water. Therefore I repeat; there is no saving either of fuel or time in evaporating in vacuo

A SUBSCRIBER. Yours, &c REMARKS.—We are not prepared at present to prove the fallacy of the point of theory advanced by our correspondent, but we are far from being convinced of its correctness. The principle, if correct, is immensely important, and will at once prove by analogy, that the quantity of steam produced under any degree of pressure, is in proportion to the quantity of fuel applied, and that as much water is evaporated under a pressure of 100 lbs. to the square inch with an equal quantity of fue!, as in the open air. Having witnessed the rapid evaporation of water at a temperature below grees, and that without any fire or fuel, but by merely removing the atmospheric pressure, we must retain the opinion that the theory of "Subscriber," is utterly at variance with facts.

#### The oldest Inhabitant.

In a former number we stated that this individual had been actually found out, and made known. Our uncle of the Scientific American, insinuated that our discovery was an invention. If it had been we should have taken out a patent for it; but in order to settle the question beyond all cavil, we wrote to a neighbor of Col. Rowley for authentic information, and received the following reply.

"Granville, N. Y. Feb. 4, 1847.

"J. MUNSELL, Dear Sir : I last night received a line from you inquiring the age of one of my respected neighbors, Col. L. T. Rowley, keeper of the Exchange Hotel in this place, and the best hotel in the State of New York. Col. Rowley is said by some to be 150 years old, and by others 175; the only question s to be which of the two statements is the most authentic. I have heard him say that he was 175 years old, and have no reason to doubt his word, he being a man of truth and veracity.-But sir, if you have any doubts as to his age, please call on Col. Rowley, and if he cannot establish his birth and pedigree to your entire satisfaction, further reference will be given.

# Yours respectfully,

Mr. Porter will probably be satisfied now. We can assure him, that, from further information on this subject, gathered from the most reliable sources, we have reason to believe. Col. Rowley has the ficulty of imparting to his guests the true secret of his own great longevity, by the aid of which others may attain equal length of days, unless they should meet with some of those unlucky pull backs, to which all flesh is liable. All who desire to live long, will do well to repair to the hospitable mansion of the Colonel, who seems to possess the true elixir of life, so long and fruitle ly sought for by the ancients -Mech. Jour.

Ahem !- Yes ;-well ; cant help it, butwe have recently heard or read the statement that many of the Cumanche or Hitimikik Indians claim to be from 150 to 300 years old; and one nice old squaw declared that she was a thousand, although she had never enjoyed the preservative influence of a liquor bar .-ED. SCI. AM.

## New Post Office.

Mr Editor

Now that the question is raised as to where the Post Office should be started, I think that the small square of lots, with the few wooder buildings and coal yards upon them, at the corners of Canal, Centre, Elm and Walker streets, should be chosen for the site of a new Post Office and Mint worthy of a city like this. By looking at a map of the city you will find it to be the most reasonable point, being most central and yet nearer to the most husi ess parts of the city than to those up town, who are now obliged to walk from two to four miles; while those in the lower extremities have not to walk more than a quarter of a mile to the present Post Office, and as poor as well as rich have business with it, I think there is, at present, a very unfair advantage given to se about Wall street, and down town genethe rally. Yours. CLINTONS

A celebrated liquor importer in Boston, reently had his pocket book, containing alarge sum of money- cut from his pocket while en-tering church. A few days subsequent he retering church. ceived the pocket book through the post of-fice (postage unpaid,) accompanied by a note, in which the writer stated that after spending the money, he discovered to his utter horror that he had been making use of funds obtained in the infamous liquor traffic. He, there-fore, returned the pocket book, and would do the same by the money should he be able again to lay hands on it.

#### NEW INVENTIONS.

Kingsley's Compensating Spring.

This spring is particularly calculated for the craught and bumper of railroad cars, but will answer equally well for riding springs The invention consists of a metallic tube o eylinder, within which is a piston and rod .-The space between the cylinder and the rod, secupied by a cylinder of prepared India inder heads, being connected to both : or two cylinders of the rubber may extend from a end; or two pistons may be employed, with apposite directions, the space between the two stons being also occupied by a cylinder of the rubber. The springs may be construct-India rubber. of to give any required motion, and conform many degree of force required. We are not scrmed whether they have ever been put to actual test, and cannot certify with regard to the utility or durability of the invention. Mr. . J. L. Kingsley of this city, is the inventor.

# Improved Axletree.

We recently noticed certain impr in carriage springs, by a young man in Norwich M. Y. (erroneously printed Norwich, Ct.) and cently received a description and draw of a novel improvement in carriage axlefrom the same inventor. The improve ment consists of a cylindrical friction roller sched to the underside of each end of the mietree. A groove or cavity is made in the ommodate the roller, which has z pivot at each end which has a bearing in the ron; or if the axletree be of wood, it is supported by a strap or bar of iron with two oulders to accommodate the bearings of the miler. These rollers sustain the weight of the costringe, and relieve the boxes of the wheels om both friction and wear. The pivots of the rollers will be exposed towear, but may be renewed at trifling cost, as often as required.— S. Thomas, to secure the invention by patent.

# mprovement in Save Mills.

Mr. C. D. Wright, of Haddam, Ct., has invented and put in operation, a tail block for saw mills, with important improves, whereby the position of the log is admeted in either direction as required by the machinery, connected and secured in its place without any immediate attention from the saw per. It is possible, though we cannot pror at we shall procure an engraving, and give a fell description of this improvement.

# New Rotary Steam Engine.

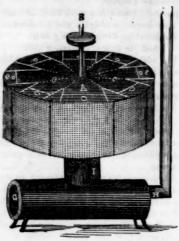
We have received a neat operating model of a rotary steam engine, which appears to apnewhat nearer perfecti n than a lan heretofore introduced. It is so construct waste keep perfectly steam tight without pack. ing and may be so adjusted as to cut off the steam af any required point of each revolution, thus ing the steam to operate expansively. We have made arrangements to present a full ription with illustrative engravings in our next number. The inventors are Messrs. esley & Tompkins of Newark, N. J.

# nprovement in Leyden Jars.

To the Editor of the Scientific American

In the structure of the common Leyden Jar, recognise the operation of the principal of induction. An electrified body, (the inner ce,) is brought very near to an unelectri-Sed body, (the outer surface,) without the posability of communicating with each other, because the glass is a non-conductor. Now if two surfaces could be brought nearer each other, the effect of induction would be strongthat effect being inversely as the square of the distance. Accordingly, the thinner the jar, the more powerful is the charge it will receive; but "the danger of breaking pre-Now to obviate this difficulty, I would suggest that a tin or brass vessel be made nearly the shape of the common Leyden jar; and the in-side together with that portion of the outside anually left bare, be covered with shellac varnish or melted shellac, (that substance being best non-conductor.) Part of the inside sald also be covered with tin foil as in comthe best non-conductor.)

Rotary Drying



New inventions on new subjects are always more interesting, than mere modifications of something that is already in common use .-The machine here introduced is a new invention for a new purpose, or for a purpose for which few if any mechanical invent ever been used;-that is, for facilitating the drying of wool, cloths, or other fibrous articles It consists of a hollow cylinder, A, six feet in diameter by three feet axis, or breadth of periphery; and mounted on a vertical shaft B. The two disks, or cylinder heads are of iron plate, and the periphery consists of wire gause, the meshes or wires being from 1-4 to 1-2 inch apart. Another periphery of wirework is adjusted within the cylinder, about six inches centreward from the first; and from this circle, eight radius partitions, cc, extend nearly to the centre. The space between the two peripheries, is to contain the article to be dried; and this space is closed above and below by iron plates e e, constructed to slide cen treward occasionally in properly constructed ves, and having knobs for that purpose attached The article to be dried is received through the gates in the upper disk, and discharged through those at the bottom. or near the cylinder is a furnace G H, and this furnace is enclosed in a cylindrical iron casing. from which a funnel I, ascends to a circular aperture in the centre of the bottom of the working cylinder. The vertical shaft is furnished with a pulley, to receive a band whereby the machine is put in motion, when the centrifu gal force produced by the partitions draws the heated air from the casing of the furnace an forces it through the wool or other material between the peripheries. Wet or moist wool may in this way be dried in five minutes, This invention is susceptable of variations of position and form : the motion of the cylinder may be vertical, if prefered, and the furnace may be made of any required form or position The inventor, Mr. S. N. Risley of this city, will apply for a patent in a few days.

#### ster's Window Springs

We have seen and examined a specimen this excellent improvement, and find it equal endations heretofore publish We have made arrangements for a neat model, which will soon be exhibited at this office.

#### A Uniform Atmosphere for the Asthn and Consumptive.

In the course of the experiments of our fel net Woodcroft, (says w;townsman, Mr. Ben the London Times,) on the deoxydizing of in ligo for calico printing he had constructed for him, by Mr. William Fairbairn, a wrought iron air-tight chamber, of considerable di sions, for the purpose of obtaining an atmos ohere devoid of oxygen, in which to carry or the process of printing cloth with indigo in the oluble state This chamber, which was so constructed, with double doors, &c., as to be air-tight, was 36 feet in length, by 12 feet wide and ten feet high. In the roof of this chamber a tap was inserted, communicating with a reservoir of coal gas, and a pipe inserted into the floor, conveyed the atmospheric air from the It was remarked that when the tap chamber supplying the carburreted hydrogen was op ed, there was no smell perceived at the outer end of the pipe in the flo or, through which the air was expelled, until the whole chamber was completely filled with gas, and then it issues

in a pure state, from the pipe below, thus showing, in a striking manner, the levity of the gas, and how little it commingles with the atheric air. Mr. Woodcroft was accustom ed to be shut up in this chamber, full of gas together with a young man, a workman, both wearing firemen's hermetically closed helmets. with flexible tubes, through which the atm pheric air was supplied for inspiration, and the arbonic acid gas respired was carried away The air forced into the helmets, and breathed by them, was thus somewhat denser than the mospheric air outside, the pressure being also uniform. Under these circumstances, both Mr. Woodcroft and the young man assisting him, experienced an unusual degree of buoy ancy and exhiliration, almost equal to that caused by the inhalation of nitrous oxide. This suggested to Mr. Woodcroft the idea of a sanaterial chamber, in which, as in this case, a uniform pressure of air should be secured, which is easily attainable under such cir stances, for it can be regulated exactly by a mercury lute. In this sanatorial chamber, filled, not with any deleterious gas, but with atmospheric air, at one carefully regulated tem perature and pressure, Mr. Woodcrott would place persons suffering from incipient con umption, asthma, and other disea chest or lungs; being persuaded that the relief it would afford to the respiratory organs, under uch circumstances, would be a most important aid to the curative means applied, and to the restorative and reparatory efforts of nature to replace the impaired structures. The suggestion of such a chamber, for such experiments, at least, was made by Mr. Woodcroft at the time, to some members of the faculty; but the uggestion was not recorded at the and, subsequently, when some parties wished to try experiments of this kind, it was too late for the iron chamber, having served its purpose, had been broken up: and thus a favora ble opportunity was lost for trying a very interesting experiment in connexion with a large nd often fatal class of diseases, to which in habitants of this humid climate are peculiarly

# Sleep and Life of Fishes.

Sleep is necessary to the health and wellbeing of all animals; fish require sleep as well as rest. Porpoises are caught while slumbering on the surface of the water; indeed, it rarely happens that they are taken in any other condition. Sleep, with fish, is not inconsistent with motion. Floating in comparative security, the fish sleeps; but under such circumstances of nervous irritability, than an agitation of the water, greater than when it first begins to repose, rouses it to flee from impending danger. Fishes which have been domesticated in garden ponds, to feed at the ringing of a bell, uninterrupted by their natural enemies, or the fear of them, sleep more than in their primitive condition, surrounded by a variety of species. It is inferred that they sleep, from remaining in one position many hours regardless of objects. In glass bells, the gold fish sleeps regularly through the night. Aquatic mammaliæ sleep less, as they are obliged to come to the surface very frequently to breathe.

Ingenious theories have been devised, in relation to the mode by which the age of fishes might be determined. Carp have been known to live in wells, through the long life-times of several proprietors, which had been there an unknown period, before any particular interest was taken in them, so that one hundred and fifty years have been noted in the life of several, without any material change being fested in their condition. A vulgar belief that they purify the water, still induces country people to put them in their wells. It has als been remarked that their number under such confinement, rarely increases. It is probable that cartilaginous fish would live to a far greater age than spinous, as it requires a long time for the cartilages to become ossified, whereas on the other hand, the spinous, as a natural result, undergo changes by age, corresponding, to some extent, with terrestrial animals. Old age eventuates in death, though cold-blooded creatures are so tenacious of life, having an almost indestructible irritability, that we have

reptiles and fishes, oftener die of age than quadrupeds. A goose lived in the farm yard of a father, son and grandson, in England, 83 years; how old it was when they first came in essession of her was unknown, and how long she would have lived, having been accidental ly killed, is equally problematical. Turtles, of the terrapin kind, have been found from time to time, with dates on their shells, indicating an age as great as the first settlements of the colonies in which they are found .-Naturalists have partly agreed that the series of rings on the ends of the vertebræ, indicate the spinous fishes' age—upon the supposition that a deposition of ossific matter is deposited, like the albumen of trees, by which their age is determined. Such a method is objectionable, as the bulk of a known species. having hundreds of circles, would ultimately rival, in size, the largest whale.

#### Vitlated Appetites.

The following extract is from Fowler's 'Universal and Mental Phisiology,' and being in accordance with our own experience and observations, we insert it for the benefit of 'whom it may concern.' After a brief allusion to the inconvenience and pernicious tendency of a perverted appetite, the author remarks :-

"The fact of this abnormal condition of ap petite is rendered apparent by this cause. That a most intimate inter-relation exists between the stomach and Alimentiveness is rendered perfectly clear both by Phrenology and Philosophy. The latter is the organ of the former, and therefore the inter-relation of all their states with each other is perfectly reciprocal. This reciprocity must be perfect, in or der that when the stomach requires food, it may excite the feeling of hunger in Alimen tiveness. But for such inter-relation, the stomach could never make known its requisi tions for food. The perfection of the nutritive process demands such reciprocity, that it may be perfect. Whatever, therefore, inflames stomach, thereby excites Alimentiveness and creates cravings akin to hunger. Excess of food necessarily inflames the stomach, and of course always provokes those hankerings after food, which most of us mistake for real hunger. Yet such cravings are caused, not by hunger, but by surfeiting. This shows why dyspeptics generally have such enormous appetites. They have inflamed their stomachs, and this renders their appetite morbid, and its cravings insatiable. And the more such eat, the more they crave. Let them eat and eat by the hour together, they still feel what they call hungry, though it is to true hunger, what fever is to the circulation. ing, so far from satiating this morbid craving, only enhances it. True, they feel weak, gone, faint and ravenous-feel that they shall drop down, unless they can get something to eat soon-yet the more they eat the more they crave, because the more they inflame the stomach, and of course its cerebral organ, Alimentiveness. Cannot such see that they eat twice as much as men in general, and four times the quantity of many around them who enjoy un-interrupted health? How can they require so much when others get along so much better with so little ? What could more conclusively prove that their craving and diseases proceed from their gluttony? And what established this fact beyond a doubt, is that protracted abstemiousness will diminish these stomach gnawings. Make trial, ye thus afflicted, and you will be surprised at their decrease. And, in general, those who feel faint in the morning till they eat, ravenous before dinner, and hungry before supper, should attribute these cravings to an overloaded stamach, instead of an empty one. And they who suffer much from omitting a meal may depend upon it they over eat. Fasting gives little inconvenience to a healthy stomach; nor is there a more sure sign of gluttony than these hankerings, and this faintness when a meal is omitted. tradictory though it may seem, yet of all such cravings, persevering abstemic ess is a perfect cure, because it allays that irritation of the stomach which causes, them, and which full feeding enhances, and thereby reinflames ap-Only try its virtues, ye thus afflicted. Fast instead of feast; and keep fasting till you can, like those in health, omit meal after reason to believe, under some circumstances, they survive several centuries. Birds, next to meal with little inconvenience or prostration



NEW YORK, FEBRUARY 27, 1847.

#### Progress of Enterprise.

We are very much gratified that the manu acturing interest of our country is everywhere prosperous and increasing. We learn through our exchanges, that at the new city of Lawrence, they are expending money by millions At Springfield, a new company has been organized, as has been stated in a paragraph already published, which will absorb two or three millions of capital. It is an error, we learn, in this statement, that English capitalists are concerned in it. Only one of the leading men of the company is an Englishman, and he is about removing to this country. One of them is from Baltimore and one Philadelphia.

In Pennsylvania, it is stated that a large es tablishment called the Clinton Iron Works, has been put in operation near Pittsburgh .-It contains eleven furnaces, and will c 12 tons of pig iron per day in the manufacture of bar, boiler, sheet, and all sizes of small iron. A nail factory in one of the wings of the building has eight machines in operation. The fly wheel of the engine in use in these works, weighs twenty-three tons, and measure thirty two feet in diameter.

Josiah Barber, Esq., is erecting a large carpet factory at Auburn. The building is five storie shigh, the basement used as a machine shop, 150 feet long by fifty wide, and of suffint capacity for 90 power looms, each of which can turn out twenty yards of carpeting a day, making 1800 yards daily. A power loom is to be used, invented by Mr. Avery Babbit, of Auburn, said to be more simple in its construction, and consequently cheaper than those used at Lowell. The capital to employed on the erections and business is to be \$100,000.

At Bangor, the Whig states that Messrs. T. & J. Collet find their orders for files greatly increasing, and they have now comm manufacture of files of various kinds. They have heretofore mostly confined themselves to the business of re-cutting old files, making them equal to new, but as the stock of old files has run short, and their cut of files being so much approved they have commenced the general m nufacture, and will, we doubt not increase it to an extensive business.

The immense increase in the iron busine is peculiarly gratifying. Alate number of the Pittsburg Gazette publishes the name of fifty one furnaces for smelting iron all located upon Alleghany river, and these independe of those on the canal. We learn through its columns that :-

"There are now 12 rolling mills, 11 in ope ration, and the other in market for metal work up from 75 to 100 tons per week, say 75 all around, or 900 tons per week. Then ere are the host of foundries, one of which has melted 25 tons per day, and will average probably 100 tons per week. Should the mills run full time till spring, the supply is a tolerable one, and no more; and were the new tar iff not directly brought in a weight on the mar ket, it would speedily be cleared of all the aron on it.

The amount of iron in the shape of pigmetal and blooms, annually marketed in Pittsburg is about forty thousand tons; all of which is here manufactured and distributed over half of the Union, in iron fabrics of every descrip-

Probably no market out of Europe is capa ble of bearing so great amount of iron at once as Pittsburg, and there is none on this continent where any thing like so heavy an amount is sold in so short a time. Pittsburg is emphatically the iron city of the Western World.

The Montgomery (Alabama) Flag speaks of the recent discovery of bituminous coal on the Berville river in such quantities as to supply any demands that may arise at as low a price as the Pittsburg coal.

#### Benefit of Rallroad

The great beauty of railroads, after all, is atinuity they give to business. There is not that interregnum in trade that used to prevail in this city for one quarter of the whole Formerly, when the canal and river closed, business closed also. Five years ago, our merchants, during the winter se son, were as "idle as vagabonds"—"A gaped at B., who yawned it back again." Now, however, they are as busy as pettifoggers-many of them actually doing a better business in January than they do in July. But these good effects of con stant intercourse are not confined to the city alone: Our country friends enjoy as many, if not more of its benefits than we do.

The completion of the Boston road raised the value of every farm in the country 20 per cent. Who put the price of pork up to six dollars? The Boston speculators. How come Boston speculators in our market? The rail road brings them here. Before that was completed, the buyers of produce in Albany enjoy sort of monopoly of the business few in number, and having no competition, of ten made the prices to suit themselves; which prices our agricultural brethern were either obliged to take, or else store their produce till spring brought opposition and strange faces nong us. And then there's the country merhant; before railroads were hatched, it was their custom to make their purchases only twice a year. Now they come in once in tw or four weeks, the year round. By this facility they require much less capital, are able to avail themselves of new styles of goods, and run much less risk from change in markets, from having on hand a large stock of unsaleable goods, and from being caught with an insuffi cient assortment. The importing merchant is also benefitted, for, instead of having to make sale at particular seasons, for which he mus provide a large stock, that may not be sold out at the proper season, he is continually on sale, upplying his customers throughout the year. The retail merchant is not less benefitted, for his country customers are daily brought by the easy and rapid car, with the same facility in winter as in summer. The manufacture gets his supplies of raw material as he needs them, and sends his goods to market as fast as

In addition to the persons above mention carmen, hotel keepers, hackmen, laborers, and others, find their occupation continued throughout the year, with a regularity that is peculiarly beneficial, enabling them to earn at least 20 per cent, more during the year than they could before railroads were introduced. In short, every species of industry-either of a mercantile or agricultural nature, has been so promoted by the introduction of the iron horse and hot water that it would almost tire figures to ascertain its limit.-R. R. Jour.

# Mr. Calhoun and the Preside

In the course of a debate in the U. S. Senate few days since, Mr. Calhoun, in reply to ome remarks relative to his position before the country, said: "If the Senator, when he spoke of an aspirant for the Presidency, inten ded his observation to apply to me, I would tell the Senator that he is entirely mistaken. I am not, and never have been an aspirant for the Presidency. I would tell the Senator, furthermore, that I would not so much as turn upon my heels for the purpose of being elevated to the Presidency.

#### Glowing picture of a Storm

Professor Meriam, speaking of a storm which ccurred between the lakes Ontario and Champlain, in Sept. 1845, says: " This storm wa led by the lightning in a terrific blaze of vivid fire, curtained by clouds of dismal blacks blowing a tornado's blast, and followed by a frozen cloud that threw down hail stones of every size and shape amid the roar of terrific peals of deafening thunder. This storm was three hours crossing the wilderness during which it occasionally ascended high into the tmosphere and again descended to the earth with increased force and thus continued until it vanished at the summit level of the Cham plain Canal where the waters run to the Atlantic at opposite points of the compass

The terms of the capitulation at Monterey have been vindicated and triumphantly su tained by the officers of the army who aided General Taylor in achieving that victory.

#### A Drunkardon Fire.

Dr. Nott, in his lectures, gives the follow ing account of a young man, about 25 years

"He had been a habitual drinker for many years. I saw him about 9 o'clock in the evenng on which it happened; he was then as usu al, not drunk, but full of liquor; about 11 o'clock the same evening I was called to see him. I found him literally roasted, from the crown of his head to the sole of his feet. He was found in a blacksmith's shop, just ac from where he had been. The owner, all of a sudden discovered an extensive light in his shop, as though the whole building was in one He ran with the greatest pre general flame. cipitancy. and on throwing open the door, dis-covered a man standing erect in the midst of a widely extended silver-colored flame, bearing, as he described it, exactly the appearance of the wick of a burning candle in its own flame He seized him (the drunkard) by the shoulders and jerked him to the door, upon which the blaze was instantly extinguished. There was no fire in the shop, neither was there any ossibility of any fire having been communi cated to him from any external source. It was purely a case of spontaneous ignition. A general sloughing soon came on, and his flesh was onsumed or removed in the dressing, leaving the bones and a few of the larger blood-ves sels; the blood, nevertheless, rallied round eart, and maintained the vital spark un til the thirteenth day, when he died, not only the most loathsome, ill-featured, and dreadful pictured that ever was presented to human view, but his shrieks, his groans, and his lamentations, also, were enough to rend a heart of adamant. He complained of no pain of body : his flesh was gone. He said he was suffering the torments of hell; that he was just up the threshold, and should soon enter its dismal caverns; and in this frame of mind he gave up the ghost.'

#### Gold in Santa Fe.

An officer of the army under General Kear-ney writing from Santa Fe, says: The principal value of this country will, at some future day, be found to exist in its mineral wealth. I have seen very fine specimens of gold from the mines in this vicinity, worth \$19,50 per oz.-The very low state of mechanical knowledge has no doubt prevented, to a very great extent, the working of valuable mines; and whenever this has been taken by the Mexicans, it has been attended with so much expense and labor that they have often failed to be a source of much profit to those engaged in them. When peace shall take place, the Americans will change this matter, for the Yankee will ap pear here with his "notions" from the East the schoolmaster will be abroad in the land, and their native enterprise and ingenuity, with their proverbial industry, could not find a better field for their exercise and consequent suc-Labor is required everywhere to obtain gold, and it is certainly as essential here as elsewhere.

#### Peruvian Sympathy.

News of the victories of our troops in Mexice had been received, and El Commerico, the leading paper of Peru, says:

are turned into Yankees. with all our hearts the triumph of the United States and if possible the annexation of Mexico, in order to consolidate as much as possible the grand system of republican government on our continent. The result of all may be the final extinguishment of all monarchical re-

#### Father Moussa

A frequent visitor at the Tuileries of late where he has a seat by the Queen's side is Father Moussa, a jet black African priest, who excites great interest by accounts of his missionary labors in Senegal. Many of the nobility have invited him to their tables, and large sums have been subscribed to build him a new Through his exertions over six hun dred Roman Catholic priests have signed a petition for the abolition of slavery in the French colonies, to be presented to the next Chambers—ever eight thousand other signatures follow

It is said that a grandchild of "Billy Gray," formerly the richest man in Boston, pauper in the almshouse in Dorchester, Mass.

Cold Spring Iron Works On the western bank of the river Thames, mile and a quarter, perhaps, below Norwich Landing, beside the New London Turnpike, stood, some time ago, a brewery and distillery The ground is now redeemed for more benefi-cent uses, furnishing the site of the Cold Spring Iron Works. The business is carried on by a joint stock corporation, of which Mr. Hu tington is president. The building is of the most simple character, no other being requi-site, of one story high, like a blacksmith's shop, with sky-lights, but without a floor. The sight of it reminded us of the Millerite Tabernacle in Boston; and a glance at the works within by no means served to drive way the thoughts of the end of the world which the exterior had awakened. The establishment was first commenced in September, 1845. The preparations having been com pleted in April, 1846, the work was begun but almost immediately afterwards was brought to a very sudden termination by the occurrence of a fire which consumed the building. In the month of June next following, the shop having been rebuilt, the work was resumed .-The building is 117 feet by 85.

The business is the rolling of iron into bars by means of machinery, rather a novel one in this part of the country, and well wo tha vi-sit from strangers. The stock is scrap and pig iren. The first is collected in the vicinity; the pig is obtained at the greater markets. The whole is American.

From six to ten tons of coal a day are used: a fact which will help to give some just idea of the magnitude of the operations. The coal was formerly brought from Pennsylvania; but at present tha Pictou and Sidney coal is em. loyed to feed the fires.

Steam power is the kind used; the engine eing of a hundred horse power. The manufactured iron amounts to about 1200 tons a year, representing a value of \$100,000 or Most of this is furnished to order; the remainder goes to the New York market -The mill is kept running on an average only five days in the week, by which time the fur nace commonly needs repairs, and is suffered to cool for the purpose. No inconsiderable part of the business is the manufacturing of s for whaling casks.

The company employ about forty men, who nake good wages, getting, when the works are in operation, about two dollars a day.

# Mexican Hospitality.

The kindness and hospitality of the Mexian ladies at Parras are highly eulogized. the time of Gen. Wool's departure from that place, there were 13 invalid soldiers too much weakened by sickness to accompany the army. On this occasion some 50 or 60 Mexican ladies, favorable to the American cause, visited the hospital, every one of whom sought it as a favor that she might be permitted to take he one of those suffering soldiers, where she might be able to nurse and restore him to health.

#### The St. Lawrence.

The only great river in the world, which is not subject to rise or fall in its course of two thousand miles, except by action of the wind, The greatest drought is the St. Lawrence. does not lower it, the greatest rain and most abundant dissolution of snow does not raise if but a few inches.

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#### FOREIGN CORRESPONDENCE. No. VII.

Cathedrals, Monks, Inigo Jones, Wren, LONDON, Jan. 1847.

Those were splendid ages which produced the architectural monuments of England, that even in their partial decay or ruin everywhere arrest the eye of the traveller. If the me who originated them were bad men they had a capital taste, and while their jolly round belabsorbed the "fat things full of marrow," and " wine on the lees," they had a keen for the beautiful and good. I could pardon them for many frailties of flesh, for many a however unbecoming the san tity of their calling-for these proud mem als, which in the shape of Cathedrals and Ab beys, they have left to delight our vision and inform our sentiment of beauty. There are in England twenty eight cathedrals, either of which ought to immortalize its builder. nearly one style of architecture and design they present a picture gorgeous beyond all simple visions of what can be wrought from stone, mortar and oak. Happily our age cannot imitate them, because of their cost; and if it could, I should not like to see it done, as it in the mellowness given to them by age, with the charm of associations that can never recur again, at least for many ages; that lends sell to heighten even the perfection of art. The tombs of kings, crusaders and saints, are tent to invest such temples with a halo, that belongs to no simple magnificence of choir, transept and spire; and such tombs are Cathedrals seem to have only for the past. een erected to inhume the splendid genius exhaust the wealth, and monument the ages that gave them birth. St. Paul's, though the nd wonder of the world for its size and proportions, is by far less interesting as a spe nen of cathedrals, than many others I could name. It is Grecian in its style, which tracts not a little from its beauty, while its position buries it like a hermit in the midst of a noisy metropolis, and by confounding it with profane milliner shops and bazaars, shears it of half its glory. But most of the Gothic Ca thedrals have locations that give strength to their beauty, and enhance the labors of art.— Among others, I have been through those of Vork, Winchester, Salisbury and Litchfield, York, Winchester, Salisbury and four perhaps the finest in the world. I sav this without having seen those of Antwerp, Nimses and Milan. At least they are the fin-est in England, and if England has produced after Rome, the finest single structure in the world, St. Paul's; and an Abbey that stands without a rival, it is fair to infer that her taste in matters of Gothic Cathedrals, is equally good. As I said, they are all similar in style. uilt in the form of a cross, a design suggested by the zeal of the early Christians, to who pious toil and munificent means, under guidance of a set of monks, who, I can believe to have been intellectual beyond all the credit we give them, and devout lovers of God, nature, art and good living, as their works attest, owe all this profusion, aye exuberance of splender. The Cathedral being formed like a cross, has its choir, nave and transept, which is the short intersecting part of the cross d over which rise the two spires that generally form the grandest feature of the cathe To what purposes these buildings were altogether given in past times is not altogeth er clear, since there are those who hint at un derground vaults, and dungeons " dark and deep," but now it is very plain that they are used for religious services only. In the older time, entering the nave in front you had an ructed walk and view from end to end, save the two rows of pillars, which, rising from the marble floor to the roof, support in conjunction with the side walls, three arches of which the roof was formed. And what a splendid sight! Three, four and five hun dred feet stretched away the tassellated pave closed by an immense arched window, filled with stained glass, imaged in colors beautiful almost as the Iris, with saints, cherubs, an gels, and it may be, the Holy One himself,while the fretted roof all wrought into glistening splendor, seems to sit like a feather's on its tapering pedestals; and the space of breadth, mingling with the length and height, rushes over one like a current of

air in a mountain pass, full of solemn and thrilling power. I know there are those who look upon these places, with holy would horror, because forsooth they were built by monks, Cathelic monks, but I confess that without wishing afterwards to be shrived, I ushed in at every occasion, and felt all suddenly religious enough, from the very poetry and glory that was round me, to mutter 'aves,' paters,' or whatever other language and say might convey my overwhelming feeling of admiration and adoration. I could have walked on a hatchet to worship in such a place climbed up any jagged rock to get a clo more confidential peep at the glowing saints and angels on the windows, and hugged even a monk in my delight at his exquisite taste in framing the temples of his God. And all alone in these, with not even a sexton to worry your ears with his "showman's tale," what a divine glow comes over the spirit, lofty, pure sanctifying, and filling one with humility as he contemplates all this magnificence, the pomp of human skill; and lifting his eves higher, beholds the universe--heaven, piercing down through the very roof, with a power and presence, that proclaims its infinite prouder perfection, its exhaustless grande ur and endless duration. It is such a sight as this, or one in the desert, or on the mountains, or the ocean, that lifts the mist from my perceptions of God; that sends me forth for days and years to feel a new and exalted sense of the immensity and splendor of the universe, and the alunspeakable glory of its builder. If man delights and thrills me by his art, God stonishes and confounds! You stamp your foot-you speak, and the great round echoes come rolling about your ears like ponderous trumpet tones vibrating in all the space at once. The monks had no organs to fill their cathedrals with a sea of music, but I can imagine their choirs of human voices, cearing all arnal sounds, and "devilish interventi from roof to floor, clean out and away from these majestic piles. Many of the earliest cathedrals were built, or partially so, in the Norman style, with the arches of their entrances and windows almost square, but when the more striking Gothic came in vogue, they were altered, and, in some instances, the marks of change from square to pointed arches, is plainly traceable on the wails. In modern times, the disposition of the interiors has undergone entire revolution. The choirs have been fit-ted up with all the appliances of ordinary churches, and their entrances ceiled up from the transept, leaving nothing open and grand as in the olden time, except the nave. Alm the only complete room in the Norman style. that I have seen, is the Bishop's Consistory at Litchfield. I like the Gothic spire, but I like the Norman arch better, there is something of nassive about it which no other style can parallel. Whoever visits England may see two of the most beautiful specimens ex at the London Tower, and the Chapel of the Knight Templars, or Crusaders, in L This latter is exceedingly grand, and was the work of Inigo Jones, whose genius, like that of Wren's, has given some of the rarest architectural triumphs to England. In London. there are between thirty and forty structures designed altogether by Wren. Of these St. stands first of course, though his gem is St. Stephen's Church, which is worth visiting London to see. The Palace at Greenwich, and Hampton Court, were also designed by Wren-the first is now an Hospital, the other was Cardinal Wolsey's Palace, given by that strange man to Henry VIII. But one of the est beautiful creations of Wren, is the spire of St. Martin's Church, corner of Trafalgar Square. He was especially famous for spires, and this is his finest. While it shoots skyward to a dizzy and immense height, it has n heavy or ponderous look, but sits like a tapered hectagon staff on the building, with which it has beautiful proportion. But to the Cathedrals : I said we could not build them in our day, and why? Because they would involve an amount of expense that we can get a better interest for in other investments, as ians nor men of the world, are not disposed to equander upon ideas of beauty. Beside, Cathredrals are not fitted to our forms of worship, they are too huge and roomy, and require

and most of the English Cathedrals were erecon laborers were paid only a penny day, and the cost was immense at that-and now we have no men to work for a penny Look at your Trinity Church, what has that cost? and you might stow some half a dozen such in a first class Cathedral. And there is not one of the first or third class, that is not in every respect of elaboration and gorge finish, superior vastly, to Trinity. Fre oofs and oak carvings, with all the intricacie of tassellated pavements and Mosaic altars, we know nothing about in our places of worship There is the single Chapel of Henry VII. (one of nine) in Westminster Abbey, that we require half the expense of Trinity Church to uild and fit up. The entire roof is of sculptured marble, displaying a history in figures By the way, this Abbey, is neither more nor less, than a third class Cathedral, with the addition of cloisters. But built when they were, and shining what they do, the Cathedrals are grand and loveable things. I reiterate it, I could hug the ugliest of the old monks for the exquisite taste. SDC

#### Snow Storm in England.

On Tuesday night, at six o'clock, the expres rain on the York and Newcastle Railway left Darlington, being about an hour and a half behind its usual time, having been detained by the depth of the snow. The road was heavy all the way, and an additional engine was put to at Belmont; but there was no stoppage caused by the snow till they reached Washing ton, which they did about 8 o'clock. Washington station the train stopped half an hour, and it being reported that the line was passable, the train proceeded; but it had not one more than half a mile when it was brought to a stand-still. The engine-men and stokers who were prepared with shovels, partially cleared away the snow which had drifted in the path of the engines, and the steam was again put on. Another half mile was got over; but further progress was found to be im practicable. The snow drifted round the carriages with such rapidity, that in a very few minutes it was found impossible to move them either one way or the other, and the snow ga thering around the engines, soon extinguished the fires, and rendered all attempts to self ex trication hopeless. In this dilemma what was to be done? Two gentlemen, second class passengers, determined on walking onward through the snow; and away they we steering in the direction of the telegraphic wires. As they have not been heard of since it is probable they succeeded, after many difficulties, of course, in reaching their destina tion, wherever it was. One gentleman, returning from the hymeneal altar, having been married but a few days previously, in L and was bringing home his bride, suggested to his cara sposa the expediency of returning to Washington, where a comfortable bed might be found more convenient for repose than the interior of a railway carriage, and the suggestion having been approved, the adventurus pair essayed the difficult and dangerou task There were other ladies in the train. which comprised fifteen passengers in all, including the two that had already departed, but thought proper to imitate her example Five gentlemen escorted the bride and bridegroom, leaving behind them in the train three ladies and three gentlemen, who remained there till noon on Wednesday, when they also repaired to Washington, under the guidance of the engine-drivers, leaving Donaldson, the of the train, alone. All parties reach ed Washington in safety, and found comfortable accommodation at the inn near the station, and at the village in its vicinity. This is, per haps, the first instance on record of a railway train having been buried in the snow .- Chro

#### Item of Poetle Prose.

Tiberius was inclined to stand aloof, when saw asmith nail a red hot shoe on a ho hoof, and thought it would not do. The blacksmith laughed at Tiberius and said he was a fool; and that there was no harm in nailing on a shoe rather warm. But Tiberius told him that should the shoe burn to the quick, the horse would be ant to kick, and it would be difficult to hold him : and if he did'nt give it too much penance of knees. When St. Paul's time to cool, it surely would prove sear-ious.

Combat between a Horse and a Lion

A nobleman, in the early part of the reign of Louis XV, having a very vicious horse which none of the grooms or servants would ride .- several of them baving been thrown and one killed,-asked leave of his majesty to have him turned loose into the menagerie, against one of the largest lions. The king readily consented, and the animal, on a certain day, was conducted thither. Soon after the arrival of the horse, the door of the den was drawn up, and the lion, with great state and majesty marched slowly to the mouth of it, when seeing his antagonist, he set up a tremendous roar. The horse immediately startled and fell back; his ears erected, his mane raised, his eyes sparkled, and something like a general nvulsion seemed to agitate his whole frame. After the first emotion of fear had subsided. orse retired to a corner of the menagerie, where, having directed his heels towards the lion, and having reared his head over his left shoulder, he watched with extreme eagerness the motions of his enemy. The lion who presently quitted the den, sidled about for more than a minute, as if meditating the mode of attack, when, having sufficiently prepared himself for the combat, he made a sudden spring at the horse, which defended itself by striking his adversary a most violent blow on the chest The lion instantly retreated, groaned, and seemed for several minutes inclined to give the centest, when, recovering from the painful effects of the blow, he returned to the charge with unabated violence. The mode of preparation for this second attack was the same as the first He sidled from one side of the menagerie to the other for a considerable time, seeking a favorable opportunity to seize his prey; during all which time the horse still erved the same posture and still kept his head erect and turned over his shoulder. The lion at length gave a second spring, with all the strength and velocity he could exercise, when the horse caught him, with his hoof on his under jaw, which he fractured, Having sustained a second and more severe repulse than the former, the lion retreated to his den as well as he was able, apparently in the greatest agony, moaning all the way in a most lamentable manner. The horse was soon obliged to be shot, as no one dared to approach the ground where he was kept.

#### Specimen of the Orthography of the first printed Bible

(Coverdale, 1535 : Re-printed by Bagster, London, 1838.)

"Then shal the kyngdome of heauen be like vnto ten virgins, which toke their lapes, and wente forth to mete the brydegrome. But fyue of them were foolish, and fyue were wyse, The foolish toke their lapes, neuertheles they toke no oyle with them. But the wyse toke oyle in their vessels with their lapes whyle the brydegrome taried, they slombred all and slepte. But at mydnight there was a crye made : Beholde, the bryddgrome commeth, go youre waye out to mete him Then all those virgins arose, and prepared their lapes. But the foolish sayde unto the wyse ; geue vs of youre oyle, for our lapes are Then answered the wyse, and sayde : Not so, lest there be not ynough for vs and you, but go rather vnto them that sell and bye for youre selues. And whyle they wente to bye, the brydegrome came : and they that were readye, wente in with him vnto the mariage, and the gate was shut vp. At ye last came ye other virgins also, and sayde :-LORDE LORDE, ope vnto vs. But he answered, and sayde: Verely I saye unto you, I knowe you not. Watch ye therfore, for knowe nether the daye nor yet the houre whar ye sonne of man shal come." - Matthew, 25: 1-13.

#### Poetry and Prose.

Behold my Flora how glorfous nature looks in her beauty? The trees are filled with blossoms, the woods are dressed in green livery, and the plain is carpeted with grass and flow ers. "Yes, Charles, I was thinking of the same thing. These flowers are dandelions, and when they are gathered and put into a pot, with a piece of fat pork, they make the best greens in the world.

The citizens of Pensacola have held a meeting to discountenance the employment of slave mechanics on the government works.

# TO CORRESPONDENTS.

We have a variety of answers to corresp dents prepared, but on account of the arrival of important communications at a late hour, they are unavoidably deferred to next week, when the many favors of correspondents will be amply noticed. A very interesting portion of the meteorological observations communicated by Prof. Meriam, is with regret deferred for the same reason. Look out for a rich r ber next week.

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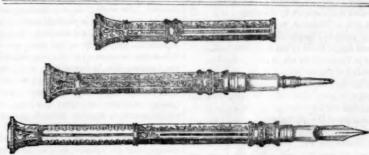
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To the great majority of our race, the fact i unknown that air has weight; and the announcement, to them, of such a propositi would be received with the most unbounded erision. The idea that the invisible fluid in which "we live and move and have our being," and without which breathing would be below par, should be possessed of a property in comon with all ponderable substances, and capable of being weighed in a balance and found wanting, is so preposterous, that the ig-norant mind is staggered at the declaration, and utterly refuses to give it the slightest cre-Yet that same mind will believe a spook story, and swallow the most incredible tales of giants and ogres, of "ghosts or goblins damned," that can be conceived by his fellow. Such a state of human intellect is sad indeed but thank heaven, the lights of Revelation and Science are calculated to illumine and expand the mind; and as ages roll on, the brightness and powers of their vivifying beams will leave among enlightened nations to doubt the sublimer truths that investigations have bro't and will yet bring to the knowledge of man.

By careful experiments, it has been found that 100 cubic inches of atmospheric air, weighs 31 grains-or 815 times less than ar equal bulk of water.

The weight or pressure of the atmosphere was first demonstrated by Torricelli, a celebrated Italian philosopher. His attention was drawn to the subject by the attempt of a welldigger, at Florence, to raise water by a suckimp to a height exceeding 33 feet. The well digger failed in his enterprise, and applied to Torricelli for advice; who, seeing the absurdity of the conclusion of the philosophers of his day, that Nature abhorred a vacus and only to the extent of 33 feet, suspected that the cause of the ascent in the tube might be the pressure of the atmosphere, and that a column of water of about that height was sufficient to equipoise the air. He concluded that if this were the case, it would only support a shorter an of any denser fluid; and he immediately had recourse to experiment to confirm his conjecture. He filled a glass tube, three feet long, and closed at one end, with quicksilver, and inverted it in a basin of the same fluid; it imediately sank about six inches from the top of the tube, proving that the pressure of the atmosphere which could support a column of water of about 33 feet in height, would only ort a column of support a column of mercury of 30 inches, the weight of the columns being in exact propor tions to the specific gravity of the two liquids, or as 13 1-2 to 1.

The atmosphere presses upon the s the earth, and upon the surfaces of all bodies which are plunged into it, with the same force as that by which it supports the mercury in the barometer, and a column of mercury, 30 thes in height, whose base is one inch, would weigh about 15 lbs.; and would press upon the earth with the same force; every body, therefore, upon the surface of the earth, at the level of the sea, supports an average pressure of 15 lbs., upon every square inch of its surface. That we are not sensible of this pressure on our own persons, and on all surrounding objects, is owing to its equality We may destroy this equilibrium, as in the air pump, for example; where almost the first stroke of the pump fixes the receiver to the plate; and after the air has been exhausted to the utmost, we may raise the weight of the pump itself without detaching it. The atmospheric engine, in which the air eans behind the pis is exhausted by various m ton, is another instance. The simple plaything of the school boy-the leather sucker is an exemplification of the pressure of the at-mosphere. In the act of pulling it up, he s a void space beneath, which must be destitute of air-in other words a vacuum. The air outside presses upon the leather in its andeavor to fill that vacuum, and the harder the boy pulls, the tighter it sticks, becar se the edges are pressed with a greater external weight to their points of contact.

This preperty of the aeriform fluid which forward.

surrounds the earth, was unknown until the time of Gallileo and Torricelli. At the most, Aristotle had but a faint idea of it, just as, at a latter period, Seneca had some notion of its elasticity. Yet we find, by reference to Scripture, that "God gave to the air its weight, and to the water its just measure." Thi weight attributed to the air, has appeared so extraordinary to all the interpreters of the Book of Job, where it is literally stated, that, from not being able to comprehend it, they have altogether misinterpreted it. All of them have translated the expression rouach, which properly signifies the air, or aeriform layer wh environs the globe, by the term wind. This they have doubtless been led to do, be they could not conceive how the air could be If the old interpreters had understo the 7th verse of the 135th Psalm, they would not have so blundered in the translation. The Psalmist there praises God, "Because he ma keth lightnings for the rain, and because he causeth the vapors to ascend from the ends of the earth, and bringeth the winds out of his treasury." What causes the ascent of the visible aqueous vapors through the air, but their lightness? Both must therefore be heavy; and the heaviest, in this case, is the one parently the most destitute of it .- Mechanic's Advocate.

#### Pure Water.

Undoubtedly the purest natural water is that obtained from melted snow, especially that which falls in distant uninhabited places where the atmosphere is pure and unimpregnated with smoke and other extraneous substances as is always the case in the immediate vicinity of cities and large towns. "The characters of absolute pure water," says a distinguished chemist, "are-that it is perfectly transparent and colorless, limpid, not sparkling, insipid, unpleasant, and sickly to the taste, and is lighter than common river or spring water .-One hundred cubic inches of water weigh two hundred and fifty-two and a half grains; it is eight hundred and twenty-eight times heavier than air; and, when expanded into steam, oc cupies seventeen hundred times its previous

Perfectly pure water, when required for the operations of the chemist, is obtained by the distillation of river water in glass vessels, that is, expanding into steam by subjecting it to neat, and then condensing it by passing it through cold pipes. The decomposition of water is affected by passing it through pipes osition of reviously heated to redness

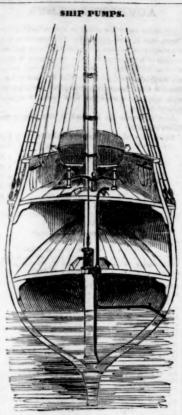
In this process the oxygen it contains forms union with the metal (iron) of the pipes, and the hydrogen escapes and may be collected in Water may be made, and the orm of a gas. this indeed is affected in every instance, "in which a combustible body unites with the oxygen of the atmosphere '

# Mechanics among the Ancients

The town of Pompeii was supplied with water by means of pipes of iron, lead and of baked clay. The museum of the dug out city contains a bronze cock, of a large size, which has two communicating pipes. The splashing of water, which has been so long hermetically sealed, can now be heard in it. It is proved, both by the fountains and fresco painting, that the Pompeiians were acquainted with that law of water, which causes the fluid flowing in a pipe to ascend to the level of its source It has always been gravely asserted that this property was not known to them, or it is prenumed they would not have carriedtheir aqueducts over such stupendous arches of ma ry. Perhaps in some of these cases, there may have been labor lost, but they must have known well the impossibility of making masonry to resist the hydrostatic pressure where there was a great head of water.

# Sheeing Horses in Winter.

In Canada where winter is never of a less duration than five months: they shoe their horses in the following manner :- The smith fixes a small piece of steel on the fore part of each shoe, which turns up one fourth of an inch, in the shape of a horse's lancet, the same to the hinder part of the shoe, turned up a little higher than the forepart, tempered in the same manner. In going up a hill the fore part gives a purchase that assists the horse, and in going down hill prevents him sliding



In this cut is represented a vertical section a ship, showing a pump on the birth deck, a pipe leading down into the run, and continued above the pump to the deck of the ship The pump is worked by a double brake, with poles at each end of sufficient length for 8 or 10 men. A pipe leads from the pump below the berth deck, alongside the carline through the side of the ship. A cock or slide valve is inserted in the pipe near the ship's side. To the pipe immediately above the upper deck is attached by a screw, a copper gooseneck having a male screw on the end—the gooseneck and screw for the purpose of attaching hose for washing decks, filling water closets, reservoirs, ng the hold, filling casks for ballast, or The pump with 8 men will for wetting sails. threw water to the royal of the largest ships. For all the above purposes, the cock or slide valve in the side of the ship is opened and the water drawn from overboard. When the valve is closed, the pump may be used to clear out the ship as ordinary pumps. A pipe may be connected with the pipe above the pump and that which passes through the side of the ves-sel, and in case of a leak in the ship, the water can be discharged on a level with the water on the outside, instead of raising to the upper deck as now done-a saving of half the power necessary to clear the vessel. The gooseneck s even with the deck, and is only employed when hose is used, or for filling pails. brakes unship, and may be put against the bulwarks out of the way. A single brake for one or two men may be used ordinarily.— Ship pumps of the kind in general use are of wood, and from 4 to 5 inch chambers, and are only used for clearing the ship when she leaks Other pumps are used for other purpo head and stern pumps, and many East India ships carry engines purposely for wetting sails. One double acting pump of the size of the old fashioned wooden ones will throw more than double the quantity of water, and may be used by one man or the whole ship's crew, and will perform all the duty of head, stern and centre pumps, and engine; while it is more easily kept in order and takes up less room, and what is of the utmost importance, in case a vessel spring a leak you have something to depend upon to keep the ship clear.—Farnam's Hudraulies.

In Holland I saw what I have never seen elsewhere, but that which ought to be in every school-the actual weights and measures of the country. These were used not only as a means of conveying useful knowledge, but of mental exercise and cultivation. There were seven different liquid measures, graduated according to the standard measure of the king-dom. The teacher took one in his hand, held

dimensions. Sometimes he would allow it to be passed along, by the members of the class. that each one might have an opportunity to handle it, and to form an idea of it.: capacity. Then he would take another, and either tell the class how many measures of one kind would be equivalent to one measure of the other, or, if he thought them prepared for the ns, he would obtain their judgement upon the relative capacity of the respective sures. In this way he would go through the whole series, referring from one to another, until all had been examined, and their relative capacities understood. Then followed arithmetical questions, founded upon the facts they had learned-such as, if one measure full of wine costs so much, what would another measure full cost, (designating the measure,) or four, or seven other measures full ?-The same thing was then done with the weights. It is easy to see how much more exact and permanent would be the pupils know-ledge of all weights and measures, obtained in this way, than if learned by heart from the dry tables in a book; and also how many useful and interesting exercises could be founded upon them by a skilful teacher. I believe it uld be difficult to find many men in the community, of middle age, who can now repeat all those tables of weights and measures, which, as schoolboys, they could rehearse so volubly; or who, were they now to see actual sets of weights and measures, could call all the different ones by their true names, or distinguish each denomination from the others if not seen in juxta-position with them. Having learned the tables by wrote, the words have long ago vanished from the mind, and the ideas were never in it .- Horace Mann.

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